

Claims

1. A method for producing an oil temper wire comprising: applying an isothermal transformation heat treatment to a wire material having a nonmetallic inclusion controlled; applying a lubrication film after acid washing; carrying out scalping, after which softening a work hardened layer produced on a surface layer at the time of scalping by annealing and carrying out wire drawing, and then carrying out an oil temper treatment.
2. The method for producing oil temper wire according to claim 1, wherein an annealing temperature is 500 to 600°C.
3. The method for producing an oil temper wire according to claim 1, wherein in said annealing, an in-furnace atmosphere is nitrogen in order to suppress an oxidized scale film.
4. The method for producing an oil temper wire according to claim 1, wherein in said annealing, an in-furnace atmosphere is a mixture of nitrogen and oxygen in order to suppress an oxidized scale film, and a quantity of oxygen is controlled.
5. The method for producing an oil temper wire according to Claim 1, wherein said wire material is Si-Cr steel.